

Attorney Docket No.: 26-000320US  
Client Reference No.: NS210P2

## DECLARATION

As a below named inventor, I declare that:

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

**Prior Foreign Application(s)**

| Country | Application No. | Date of Filing | Priority Claimed Under<br>35 USC 119 |
|---------|-----------------|----------------|--------------------------------------|
|         |                 |                |                                      |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

| Application No. | Filing Date        |
|-----------------|--------------------|
| 60/414,614      | September 27, 2002 |
| 60/444,287      | January 31, 2003   |

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Application No. | Date of Filing | Status |
|-----------------|----------------|--------|
|                 |                |        |

|                          |  |   |   |
|--------------------------|--|---|---|
| Full Name of Inventor 1: | Full Name:<br><b>Hong Jin</b>  |   |   |
| Residence & Citizenship: | City:<br><b>Cupertino</b>  | State/Foreign Country:<br><b>California</b> | Country of Citizenship:<br><b>United States</b> |
| Post Office Address:     | Post Office Address:<br><b>22385 Santa Paula Avenue, Cupertino, CA 95014</b>     |   |   |
| Full Name of Inventor 2: | Full Name:<br><b>Bin Lu</b>  |   |   |
| Residence & Citizenship: | City:<br><b>Los Altos</b>  | State/Foreign Country:<br><b>California</b> | Country of Citizenship:<br><b>China</b>         |
| Post Office Address:     | Post Office Address:<br><b>74 Los Altos Square, Los Altos, California 94022</b>  |   |   |
| Full Name of Inventor 3: | Full Name:<br><b>Xing Cheng</b>  |   |   |
| Residence & Citizenship: | City:<br><b>Sunnyvale</b>  | State/Foreign Country:<br><b>California</b> | Country of Citizenship:<br><b>United States</b> |
| Post Office Address:     | Post Office Address:<br><b>849 Nectarine Avenue, Sunnyvale, California 94087</b> |   |   |
| Full Name of Inventor 4: | Full Name:<br><b>Helen Zhou</b>  |   |   |
| Residence & Citizenship: | City:<br><b>Palo Alto</b>  | State/Foreign Country:<br><b>California</b> | Country of Citizenship:<br><b>United States</b> |
| Post Office Address:     | Post Office Address:<br><b>545 Driscoll Place, Palo Alto, California 94306</b>   |   |   |

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

|   |  |  |
|---|--|--|
| Signature of Inventor 1<br><br><b>Hong Jin</b> | Signature of Inventor 2<br><br><b>Bin Lu</b> | Signature of Inventor 3<br><br><b>Xing Cheng</b> |
| Date <b>1/14/2014</b>   | Date   | Date   |

|  |
|--|
| Signature of Inventor 4<br><br><b>Helen Zhou</b> |
| Date   |

|                          |  |   |   |
|--------------------------|--|---|---|
| Full Name of Inventor 1: | Full Name:<br><b>Hong Jin</b>  |   |   |
| Residence & Citizenship: | City:<br><b>Cupertino</b>  | State/Foreign Country:<br><b>California</b> | Country of Citizenship:<br><b>United States</b> |
| Post Office Address:     | Post Office Address:<br><b>22385 Santa Paula Avenue, Cupertino, CA 95014</b>     |   |   |
| Full Name of Inventor 2: | Full Name:<br><b>Bin Lu</b>  |   |   |
| Residence & Citizenship: | City:<br><b>Los Altos</b>  | State/Foreign Country:<br><b>California</b> | Country of Citizenship:<br><b>China</b>         |
| Post Office Address:     | Post Office Address:<br><b>74 Los Altos Square, Los Altos, California 94022</b>  |   |   |
| Full Name of Inventor 3: | Full Name:<br><b>Xing Cheng</b>  |   |   |
| Residence & Citizenship: | City:<br><b>Sunnyvale</b>  | State/Foreign Country:<br><b>California</b> | Country of Citizenship:<br><b>United States</b> |
| Post Office Address:     | Post Office Address:<br><b>849 Nectarine Avenue, Sunnyvale, California 94087</b> |   |   |
| Full Name of Inventor 4: | Full Name:<br><b>Helen Zhou</b>  |   |   |
| Residence & Citizenship: | City:<br><b>Palo Alto</b>  | State/Foreign Country:<br><b>California</b> | Country of Citizenship:<br><b>United States</b> |
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|  |  |  |
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| Signature of Inventor 1<br><hr/> <b>Hong Jin</b> | Signature of Inventor 2<br><hr/> <b>Bin Lu</b> | Signature of Inventor 3<br><hr/> <b>Xing Cheng</b> |
| Date   | Date <b>1/13/2004</b>                          | Date   |

|  |
|--|
| Signature of Inventor 4<br><hr/> <b>Helen Zhou</b> |
| Date   |

|                          |   |  |  |
|--------------------------|---|--|--|
| Full Name of Inventor 1: | Full Name: <b>Hong Jin</b>  |  |  |
| Residence & Citizenship: | City: <b>Cupertino</b>  | State/Foreign Country: <b>California</b> | Country of Citizenship: <b>United States</b> |
| Post Office Address:     | Post Office Address: <b>22385 Santa Paula Avenue, Cupertino, CA 95014</b>     |  |  |
| Full Name of Inventor 2: | Full Name: <b>Bin Lu</b>  |  |  |
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| Full Name of Inventor 3: | Full Name: <b>Xing Cheng</b>  |  |  |
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| Full Name of Inventor 4: | Full Name: <b>Helen Zhou</b>  |  |  |
| Residence & Citizenship: | City: <b>Palo Alto</b>  | State/Foreign Country: <b>California</b> | Country of Citizenship: <b>United States</b> |
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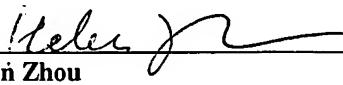
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| Signature of Inventor 1<br><br><hr/> <b>Hong Jin</b> | Signature of Inventor 2<br><br><hr/> <b>Bin Lu</b> | Signature of Inventor 3<br><br><hr/> <br><b>Xing Cheng</b> |
| Date<br><br><hr/> <b></b>                            | Date<br><br><hr/> <b></b>                          | Date <b>1/14/04</b>   |

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| Signature of Inventor 4<br><br><hr/> <b>Helen Zhou</b> |
| Date<br><br><hr/> <b></b>                              |

|                          |  |   |   |
|--------------------------|--|---|---|
| Full Name of Inventor 1: | Full Name:<br><b>Hong Jin</b>  |   |   |
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|  |  |  |
|--|--|--|
| Signature of Inventor 1<br><hr/> <b>Hong Jin</b> | Signature of Inventor 2<br><hr/> <b>Bin Lu</b> | Signature of Inventor 3<br><hr/> <b>Xing Cheng</b> |
| Date   | Date   | Date   |

|   |                |
|---|----------------|
| Signature of Inventor 4   |                |
| <br><b>Helen Zhou</b> |                |
| Date  | <b>1-20-04</b> |

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

|                        |   |
|------------------------|---|
| Application Number     | 10/672,302  |
| Filing Date            | September 26, 2003                                  |
| First Named Inventor   | Hong Jin  |
| Title                  | Functional mutations in respiratory syncytial virus |
| Art Unit               | 1648  |
| Examiner Name          | Unassigned  |
| Attorney Docket Number | 26-000320US   |

I hereby appoint:

Practitioners associated with the Customer Number:  
OR  
 Practitioner(s) named below:



| Name | Registration Number |
|------|---------------------|
|      |                     |
|      |                     |
|      |                     |
|      |                     |
|      |                     |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number:  
OR  
 The address associated with Customer Number:  
OR

|   |   |       |                |
|---|---|-------|----------------|
| <input checked="" type="checkbox"/> Firm or Individual Name | Quine Intellectual Property Law Group, P.C. |       |                |
| Address   | P.O. Box 458                                |       |                |
| Address   |   |       |                |
| City  | Alameda                                     | State | CA             |
| Country   | United States                               |       |                |
| Telephone   | (510) 337-7871                              | Fax   | (510) 337-7877 |

I am the:

Applicant/Inventor.  
 Assignee of record of the entire interest. See 37 CFR 3.71.  
*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)*

**SIGNATURE of Applicant or Assignee of Record**

|           |                          |           |  |
|-----------|--------------------------|-----------|--|
| Name      | William C. Bertrand, Jr. |           |  |
| Signature |                          |           |  |
| Date      | 1/14/04                  | Telephone |  |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of \_\_\_\_\_ forms are submitted.

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

|                       |                   |
|-----------------------|-------------------|
| Typed or Printed Name | Amelia Weintraub  |
| Signature             |                   |
| Date                  | February 20, 2004 |



## STATEMENT UNDER 37 CFR 3.73(b)

Applicant: Hong Jin, et al.

Application No.: 10/672,302 Filed: September 26, 2003

Entitled: FUNCTIONAL MUTATIONS IN RESPIRATORY SYNCYTIAL VIRUS

MedImmune Vaccines, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of an undivided part interest

in the patent application identified above by virtue of either:

A. [ X ] An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

- From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.
- From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.
- From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet

[X ]Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

1/14/04

Date

William C. Bertrand, Jr.  
Signature

William C. Bertrand, Jr.  
Typed or printed name

Vice President, General Counsel  
Title



Attorney Docket No.: 26-000320US  
Client Reference No.: NS210P2

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Hong Jin, of 22385 Santa Paula Avenue, Cupertino, CA 95014, Bin Lu of 74 Los Altos Square, Los Altos, CA 94022, Xing Cheng of 849 Nectarine Ave. Sunnyvale, CA 94087, and Helen Zhou, 545 Driscoll Place Palo Alto, CA 94306, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **FUNCTIONAL MUTATIONS IN  
RESPIRATORY SYNCYTIAL VIRUS**

Filing Date: September 26, 2003

Application No.: 10/672,302; and

WHEREAS, MedImmune Vaccines, Inc., a corporation, located at 297 North Bernardo Ave, Mountain View, CA 94043, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and which claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignment  
Application No.: 10/672,302  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.

Dated: 1/14/2004



Hong Jin

SIGNATURE WITNESSED BY:

(1) Date: 1/14/2004



Signature of Witness

Dated: \_\_\_\_\_

\_\_\_\_\_ Bin Lu

SIGNATURE WITNESSED BY:

(1) Date: \_\_\_\_\_

\_\_\_\_\_ Signature of Witness

Dated: \_\_\_\_\_

\_\_\_\_\_ Xing Cheng

SIGNATURE WITNESSED BY:

(1) Date: \_\_\_\_\_

\_\_\_\_\_ Signature of Witness

Assignment  
Application No.: 10/672,302  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.

Dated: \_\_\_\_\_ Hong Jin

**SIGNATURE WITNESSED BY:**

(1) Date: \_\_\_\_\_

**Signature of Witness**

Dated: 1/13/2004

Bin Lu  
Bin Lu

**SIGNATURE WITNESSED BY:**

(1) Date: 1-13-04

Marsha Levy  
Signature of Witness

Dated: \_\_\_\_\_

Xing Cheng

**SIGNATURE WITNESSED BY:**

(1) Date: \_\_\_\_\_

Assignment  
Application No.: 10/672,302  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.

Dated: \_\_\_\_\_ Hong Jin

SIGNATURE WITNESSED BY:

(1) Date: \_\_\_\_\_ Signature of Witness

Dated: \_\_\_\_\_ Bin Lu

SIGNATURE WITNESSED BY:

(1) Date: \_\_\_\_\_ Signature of Witness

Dated: 1/14/04

  
Xing Cheng

SIGNATURE WITNESSED BY:

(1) Date: 1/14/04 Xopa Adhikary  
Signature of Witness

Assignment  
Application No.: 10/672,302  
Page 3

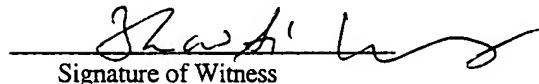
Dated: 1 - 20 - 2004



Helen Zhou

SIGNATURE WITNESSED BY:

(1) Date: 20 Jan 2004



Signature of Witness